



TECHNICAL SERVICE BULLETIN

3.5L EcoBoost/3.5L PowerBoost - Coolant Leak Near Thermostat Housing - Built On Or Before 31-Mar-2021

21-2373

25 October 2021

Model:

Ford	Engine: 3.5L EcoBoost
2021 F-150	Engine: 3.5L PowerBoost

Issue: Some 2021 F-150 vehicles equipped with a 3.5L EcoBoost or 3.5L PowerBoost and built on or before 31-Mar-2021 may experience an external loss of coolant. This may be due to a leak in the degas bottle hose between the degas bottle and thermostat housing. To correct the condition, follow the Service Procedure to inspect and replace the left degas bottle hose between the degas bottle and thermostat housing.

Action: Follow the Service Procedure steps to correct the condition if the vehicle meets all of the following criteria:

- 2021 F-150
- Built on or before 31-Mar-2021
- 3.5L EcoBoost or 3.5L PowerBoost
- External loss of coolant

Parts

Service Part Number	Quantity	Description
ML3Z-8063-B	1	Degas Hose

Parts

One Of The Following:

Service Part Number	Quantity	Description
VC-13-G	As Needed	Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)
VC-13DL-G	As Needed	Motorcraft® Yellow Prediluted Antifreeze/Coolant (All Markets Except Canada)
CVC-13-G	As Needed	Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)
CVC-13DL-G	As Needed	Motorcraft® Yellow Prediluted Antifreeze/Coolant (Canada Only)

As Needed indicates the amount of the part may vary or is not a whole number; parts can be billed out as non-whole numbers, including less than 1.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2021 F-150 3.5L EcoBoost: Inspect And Replace Degas Bottle Hose Includes Time To Drain And Fill Cooling System (Do Not Use With Any Other Labor Operations)	212373A	0.7 Hrs.
2021 F-150 3.5L PowerBoost: Inspect And Replace Degas Bottle Hose Includes Time To Drain And Fill Cooling System (Do Not Use With Any Other Labor Operations)	212373B	1.0 Hrs.

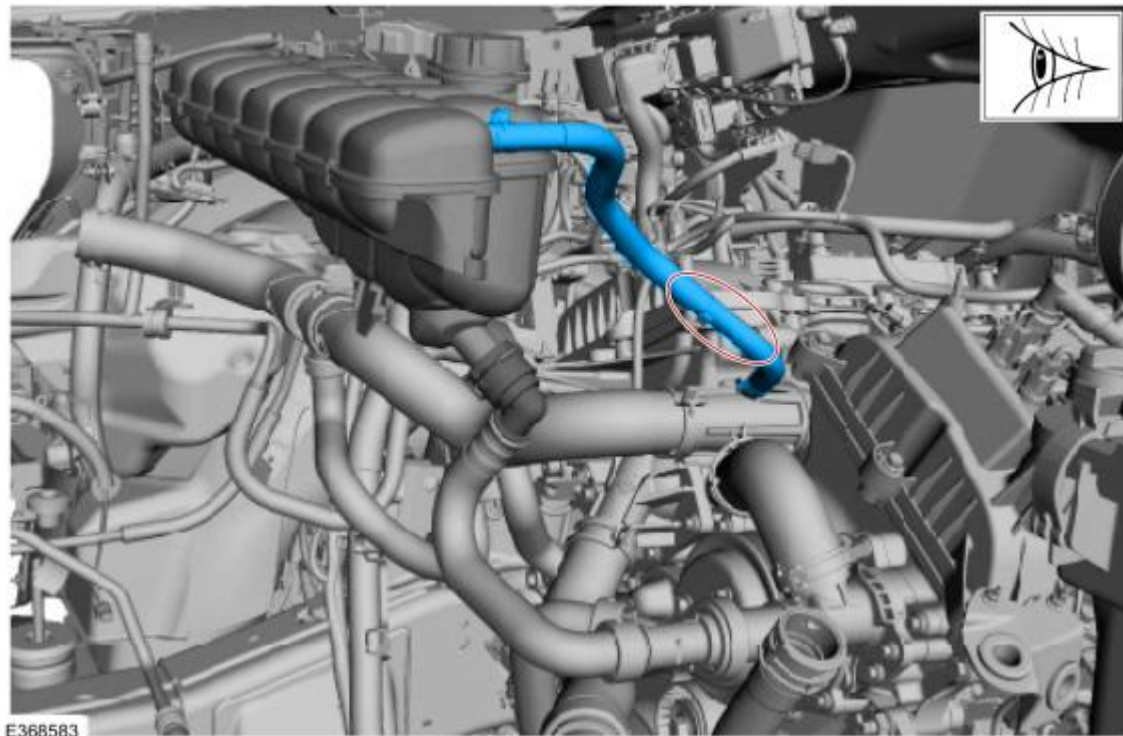
Repair/Claim Coding

Causal Part:	8063
Condition Code:	V3

Service Procedure

1. Inspect the degas bottle hose between the degas bottle and thermostat housing for a leak located near the internal flow restrictor. Is there a leak located near the internal flow restrictor in the degas bottle hose between the degas bottle and thermostat housing? (Figure 1)

Figure 1



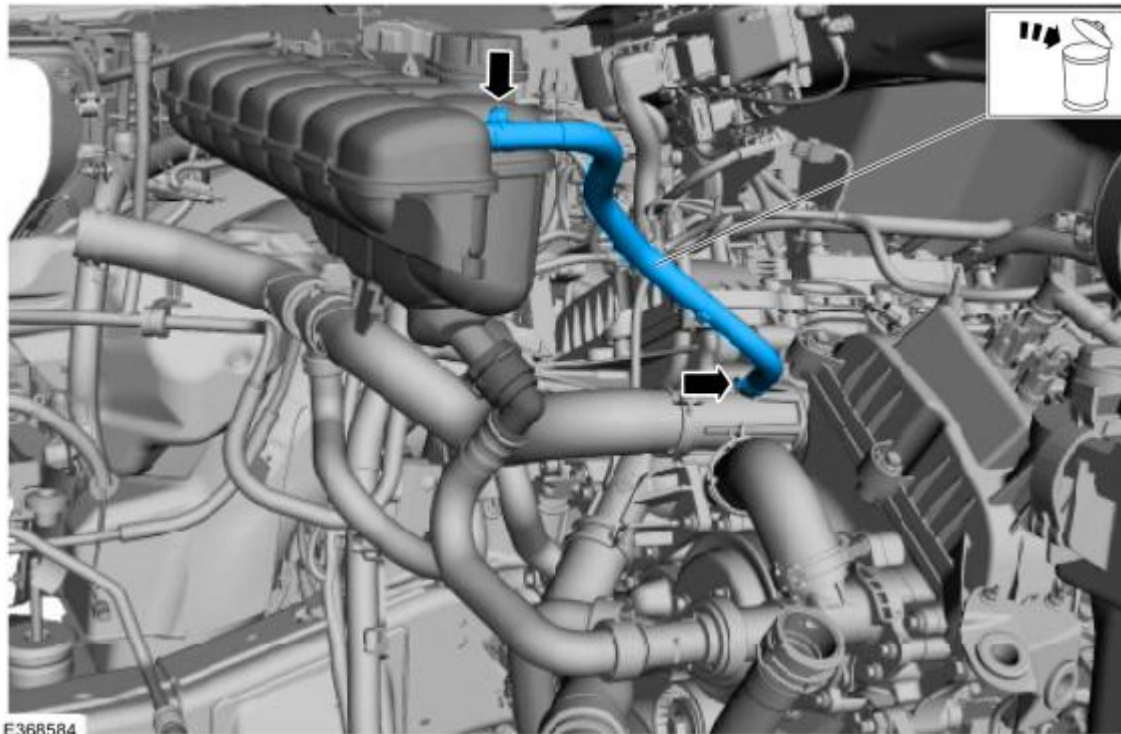
- (1). Yes - proceed to Step 2.

(2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 303-03C for 3.5L EcoBoost or Section 303-03D for 3.5L V6 PowerBoost for normal diagnostics.

2. Drain the engine cooling system. Refer to WSM, Section 303-03C for 3.5L EcoBoost or Section 303-03D for 3.5L V6 PowerBoost.

3. Release the hose clamps and disconnect the degas bottle hose from the degas bottle and the thermostat housing. (Figure 2)

Figure 2



4. Connect a replacement degas bottle hose between the degas bottle and the thermostat housing and secure the hose clamps. (Figure 2)

5. Fill the engine cooling system. Refer to WSM, Section 303-03C for 3.5L EcoBoost or Section 303-03D for 3.5L V6 PowerBoost.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.